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OM nucleic - nucleic search, using sw model

Run on: November 2, 2002, 13:15:51 ; Search time 22.6726 Seconds
(without alignments)
7432.073 Million cell updates/sec

Title: US-09-811-093b-46
Perfect score: 686
Sequence: 1 tctatctagatagaag.....ctgtttatgttcgtatt 686

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 38533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_NA:*

- 1: /cgn2.6/ptodata/1/ina/5A_COMB.seq.*
- 2: /cgn2.6/ptodata/1/ina/5B_COMB.seq.*
- 3: /cgn2.6/ptodata/1/ina/6A_COMB.seq.*
- 4: /cgn2.6/ptodata/1/ina/6B_COMB.seq.*
- 5: /cgn2.6/ptodata/1/ina/PTUS_COMB.seq.*
- 6: /cgn2.6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	682.8	99.5	686	3	US-09-142-514-2
2	132.2	19.3	751	1	US-08-592-936B-10
3	132.2	19.3	751	1	US-08-788-928A-16
4	132.2	19.3	751	2	US-09-111-573-10
5	99.4	14.5	745	1	US-08-592-936B-11
6	99.4	14.5	745	1	US-08-788-928A-19
7	99.4	14.5	745	2	US-09-111-573-11
8	99.4	14.5	2213	1	US-08-592-936B-12
9	99.4	14.5	2213	2	US-08-788-928A-1
10	99.4	14.5	2213	2	US-09-111-573-12
11	41.2	6.0	1320	1	US-08-257-073-15
12	41.2	6.0	1482	4	US-08-098-327B-41
13	41.2	6.0	1482	4	US-08-098-327B-45
14	41.2	6.0	1482	4	US-08-462-625-41
15	41.2	6.0	1482	4	US-08-462-625-45
16	41.2	6.0	1493	4	US-08-098-327B-38
17	41.2	6.0	1493	4	US-08-462-625-38
18	41	6.0	602	1	US-08-764-100-8
19	41	6.0	642	1	US-08-764-100-13
20	41	6.0	643	1	US-08-764-100-7
21	41	6.0	2993	1	US-08-764-100-2
22	41	6.0	2993	1	US-08-764-100-10
23	41	6.0	3000	1	US-08-764-100-9
24	41	6.0	3001	1	US-08-764-100-1
25	40.6	5.9	418	4	US-08-642-274D-46
26	40.6	5.9	418	4	US-08-952-014C-46
27	40.6	5.9	1150	1	US-08-161-406-1

Sequence 2, Appl
Sequence 186, App
Sequence 1137, Ap
Sequence 288, App
Sequence 6, Appl
Sequence 13, Appl
Sequence 14, Appl
Sequence 96, Appl
Sequence 96, Appl
Sequence 96, Appl
Sequence 3, Appl
Sequence 17, Appl
Sequence 17, Appl
Sequence 2, Appl
Sequence 33, Appl
Sequence 10, Appl
Sequence 12, Appl
Sequence 2, Appl

28 40.6 5.9 5852 1 US-07-867-106-2
29 40.2 5.9 615 4 US-08-998-416-186
30 40.2 5.9 636 4 US-08-998-416-1137
31 40.2 5.9 837 4 US-08-998-416-288
32 40 5.8 240 1 US-08-628-417-6
33 39.8 5.8 19124 2 US-08-487-826B-13
34 39.8 5.8 2447 2 US-09-014-969-14
35 39.6 5.8 1000 1 US-08-599-252-96
36 39.6 5.8 1000 5 PCT-US96-06352-96
37 39.6 5.8 1000 5 PCT-US96-06583-96
38 39.4 5.7 4071 4 US-09-091-117-3
39 39.2 5.7 3214 1 US-08-484-105-17
40 39.2 5.7 3214 1 US-08-484-106-17
41 39 5.7 731 1 US-08-451-405A-2
42 38.8 5.7 1117 4 US-09-247-373B-33
43 38.4 5.6 1582 3 US-08-545-196B-10
44 38.4 5.6 1582 3 US-08-545-196B-12
45 38.2 5.6 2852 3 US-09-027-137-2

ALIGNMENTS

RESULT 1
US-09-142-514-2
; Sequence 2, Application US/09142514A
; Patent No. 6107548
; GENERAL INFORMATION:
; APPLICANT: Aggelis, Alexandros
; APPLICANT: Grierson, Donald
; APPLICANT: John, Isaac
; APPLICANT: Karvouni, Zoi
; TITLE OF INVENTION: Fruit Ripening
; FILE REFERENCE: SEE50111/UST
; CURRENT APPLICATION NUMBER: US/09/142.514A
; EARLIER FILING DATE: 1998-09-09
; EARLIER APPLICATION NUMBER: PCT/GB97/00824
; EARLIER FILING DATE: 1997-03-24
; EARLIER APPLICATION NUMBER: GB 9606906.7
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 2
; LENGTH: 686
; TYPE: DNA
; ORGANISM: Cucumis melo
US-09-142-514-2

Query Match 99.5%; Score 682.8; DB 3; Length 686;
Best Local Similarity 99.7%; Pred. No. 3.7e-155;
Matches 684; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 TCTATCTAGAGATAGAGGTTTAAATCATGCTCTCTAATGGAAGCTTGTGAGTGA 60
DB 1 TCTATCTAGAGATAGAGGTTTAAATCATGCTCTCTAATGGAAGCTTGTGAGTGA 60
QY 61 TTGAGATCAATGAGCTGCTGAGAAATTTTACGAATATTTCAAGATCAATGTTTCAG 120
DB 61 TTGAGATCAATGAGCTGCTGAGAAATTTTACGAATATTTCAAGATCAATGTTTCAG 120
QY 121 GTTCCCAATATAACCCAGATGATTCACAAAGTTGAAATTCATGTTGATGAGTGA 180
DB 121 GTTCCCAATATAACCCAGATGATTCACAAAGTTGAAATTCATGTTGATGAGTGA 180
QY 181 GGCAATGACATGCTCTATCAAGTCTTGGTATTACACTATTGATGGAAGCGAGAATT 240
DB 181 GGAAATGACATGCTCTATCAAGTCTTGGTATTACACTATTGATGGAAGCGAGAATT 240
QY 241 TTTAAGGACGGTTCGAGTTTCCAGATCATATAATTTGTTAGTCTTGGATGGAGTGA 300
DB 241 TTTAAGGACGGTTCGAGTTTCCAGATCATATAATTTGTTAGTCTTGGATGGAGTGA 300
QY 301 GGAGATGTGTTCAAAAATTTATAAAGCTTTAAACCGAGCTTACCAATTTGTACCTAAGAT 360

TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: pag301 insert, drul cDNA clone
US-08-788-928A-16

Query Match 19.3%; Score 132.2; DB 1; Length 751;
Best Local Similarity 56.8%; Pred. No. 2.9e-23;
Matches 264; Conservative 0; Mismatches 198; Indels 3; Gaps 1;
QY 43 GGAAGCTTGTGAGTGAATTAGAGATCAATGCGAGCTGCTGAGAAATTTTACGAAATATTC 102
DB 4 GGAAGCTGAGGCTGACATTGAAATCTCAGCACCTGCTGACAAAGTTCTACAACCTCTC 63
QY 103 AAGATCAATGTTTTCAGGTTCCCATATTAACCCCGAGATGCATTCACAAAGTTGAATT 162
DB 64 AAGAGTGAGGCTCACCCAGCTCCCAAACTTCTCAAACTGGCACCATTAACCGGAG---TT 120
QY 163 CATGGTACTAATGGGATGGCATGGACATGGCTCTATCAAGTCTTGTGTTATACACTATT 222
DB 121 GCGGTGCATGAGGAGACTGGAACTGATGGCTCCATTAGATTTGGAATTATGCAATA 180
QY 223 GATGGCAAGGAGAGTTTAAAGAACGGGTGAGTTTCACGATGATAAATTTGTTGATA 282
DB 181 GAGGGCAAGTGGGAACATTCAGAGGAAAGTAGAGCTAGACGATGTGAACAAGGCAATA 240
QY 283 GTCTTGATGGAGTGGGAGGAGATGCTGTTCAAAAATTAATAAGCTTTAAACCACTTAC 342
DB 241 ATTCTGAATGGTGGGAGGAGATGTGTTCCAGTATTACAAGCTTCAAGCCGCTCTAT 300
QY 343 CAATTTGTACTAAGGATCGTAACATTCGACGAGCAATTCGTGATATAGATATGAGAAA 402
DB 301 CAATTCATCAAAAGATGATGGCAGCAGCATTCGCAAGTGTCCATTGATATGAGAAA 360
QY 403 CTTTCATCATGGGTCTCTGATCCCTCATTAAGTATATTAAGCTTCATGATGGTATCACTAAC 462
DB 361 CTGAGTGAGGAAGTTCAGATCCAAATAAGTACATTCGCTTGATGACTAATATCGTCAAG 420
QY 463 GACATTTGGATCTCACAATAAATAAGTATTAAATGCTGTGCACATT 507
DB 421 GATCTTGATGCCACTTCATCAAGGCATAAAGGGATATTATAAT 465

RESULT 4
US-09-111-573-10
Sequence 10, Application US/09111573
Patent No. 5929302
GENERAL INFORMATION:
APPLICANT: Kellogg, Jill A.
APPLICANT: Bestwick, Richard K.
TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
NUMBER OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,573
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA: US/08/592,936
APPLICATION NUMBER: US/08/592,936
FILING DATE: 29-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Susan T.
REGISTRATION NUMBER: 38,443
REFERENCE/DOCKET NUMBER: 4257-0012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 324-0880
TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 751 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: pag301 insert, drul cDNA clone
US-09-111-573-10

Query Match 19.3%; Score 132.2; DB 2; Length 751;
Best Local Similarity 56.8%; Pred. No. 2.9e-23;
Matches 264; Conservative 0; Mismatches 198; Indels 3; Gaps 1;
QY 43 GGAAGCTTGTGAGTGAATTAGAGATCAATGCGAGCTGCTGAGAAATTTTACGAAATATTC 102
DB 4 GGAAGCTGAGGCTGACATTGAAATCTCAGCACCTGCTGACAAAGTTCTACAACCTCTC 63
QY 103 AAGATCAATGTTTTCAGGTTCCCATATTAACCCCGAGATGCATTCACAAAGTTGAATT 162
DB 64 AAGAGTGAGGCTCACCCAGCTCCCAAACTTCTCAAACTGGCACCATTAACCGGAG---TT 120
QY 163 CATGGTACTAATGGGATGGCATGGACATGGCTCTATCAAGTCTTGTGTTATACACTATT 222
DB 121 GCGGTGCATGAGGAGACTGGAACTGATGGCTCCATTAGATTTGGAATTATGCAATA 180
QY 223 GATGGCAAGGAGAGTTTAAAGAACGGGTGAGTTTCACGATGATAAATTTGTTGATA 282
DB 181 GAGGGCAAGTGGGAACATTCAGAGGAAAGTAGAGCTAGACGATGTGAACAAGGCAATA 240
QY 283 GTCTTGATGGAGTGGGAGGAGATGCTGTTCAAAAATTAATAAGCTTTAAACCACTTAC 342
DB 241 ATTCTGAATGGTGGGAGGAGATGTGTTCCAGTATTACAAGCTTCAAGCCGCTCTAT 300
QY 343 CAATTTGTACTAAGGATCGTAACATTCGACGAGCAATTCGTGATATAGATATGAGAAA 402
DB 301 CAATTCATCAAAAGATGATGGCAGCAGCATTCGCAAGTGTCCATTGATATGAGAAA 360
QY 403 CTTTCATCATGGGTCTCTGATCCCTCATTAAGTATATTAAGCTTCATGATGGTATCACTAAC 462
DB 361 CTGAGTGAGGAAGTTCAGATCCAAATAAGTACATTCGCTTGATGACTAATATCGTCAAG 420
QY 463 GACATTTGGATCTCACAATAAATAAGTATTAAATGCTGTGCACATT 507
DB 421 GATCTTGATGCCACTTCATCAAGGCATAAAGGGATATTATAAT 465

RESULT 5
US-08-552-936B-11
Sequence 11, Application US/08592936B
Patent No. 5783393
GENERAL INFORMATION:
APPLICANT: Kellogg, Jill A.
APPLICANT: Bestwick, Richard K.
TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS

NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/592,936B
FILING DATE: 29-JAN-1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Susan T.
REGISTRATION NUMBER: 38,443
REFERENCE/DOCKET NUMBER: 4257-0012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 324-0880
TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: PAG302, drul genomic clone
US-08-592-936B-11

Query Match 14.5%; Score 99.4; DB 1; Length 745;
Best Local Similarity 57.1%; Pred. No. 2.1e-15;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 191 ATGGCTCTATCAAGTCTTGGTATTACACTATTGATGGCAAGGAGGAGTTTAAAGAAC 250
DB 282 ATGTTTCAAGTATTAATTTCTTACAAATATAGAGGCGAAGTGGGAACATCAAGGAGA 341
QY 251 GGGTCGAGTTTCACGATGATAAATTTGATAGTCTTTGATAGTGGGAGGAGATGTGT 310
DB 342 AAGTAGAGCTAGACGATGTGAACAAGGCAATATTTCTGAATGGTTGGAAGGAGATGTGT 401
QY 311 TCAGAAATTAATAAGCTTTAAACAGCTTACCAATTTGATAGTGGGAGGATCGTAACCAT 370
DB 402 TCCAGTATTACAGAGCTTCAAGCCGCTCTATCAATTTCACTCAAAAGAAATGATGGCAGCA 461
QY 371 GCAGGCAATTTCTGAGTATAGATGAGCAAACTTCATCATGGTCTCTCTGATCCCTCATA 430
DB 462 GCATGCCAAAGTGCCTATGATATGAGAAACTGAGTGGAGGAGTGGAGATCCAAATA 521
QY 431 AGTATTAGACCTCATGATTTGGTATCATTACAGACATTTGGATCTCATTAATTAAGTAT 490
DB 522 AGTACATTCGCTTGATGACTAATATCGTCAAGGATCTTGATGCCACTTCATCAAGGCAT 581
QY 491 TTAATGCTCTGCACATT 507
DB 582 AAAAGGGATATTATAT 598

RESULT 6
US-08-788-928A-19
Sequence 19, Application US/08788928A
Patent No. 5783394
GENERAL INFORMATION:
APPLICANT: Beestwick, Richard K.
APPLICANT: Kelloff, Jill A.

TITLE OF INVENTION: RASPBERRY PROMOTERS FOR EXPRESSION OF
TITLE OF INVENTION: TRANSGENES IN PLANTS
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/788,928A
FILING DATE: 24-JAN-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/592,936
FILING DATE: 29-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Susan T.
REGISTRATION NUMBER: 38,443
REFERENCE/DOCKET NUMBER: 4257-0015
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 324-0880
TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: PAG302, drul genomic clone
US-08-788-928A-19

Query Match 14.5%; Score 99.4; DB 1; Length 745;
Best Local Similarity 57.1%; Pred. No. 2.1e-15;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 191 ATGGCTCTATCAAGTCTTGGTATTACACTATTGATGGCAAGGAGGAGTTTAAAGAAC 250
DB 282 ATGTTTCAAGTATTAATTTCTTACAAATATAGAGGCGAAGTGGGAACATCAAGGAGA 341
QY 251 GGGTCGAGTTTCACGATGATAAATTTGATAGTCTTTGATAGTGGGAGGAGATGTGT 310
DB 342 AAGTAGAGCTAGACGATGTGAACAAGGCAATATTTCTGAATGGTTGGAAGGAGATGTGT 401
QY 311 TCAGAAATTAATAAGCTTTAAACAGCTTACCAATTTGATAGTGGGAGGATCGTAACCAT 370
DB 402 TCCAGTATTACAGAGCTTCAAGCCGCTCTATCAATTTCACTCAAAAGAAATGATGGCAGCA 461
QY 371 GCAGGCAATTTCTGAGTATAGATGAGCAAACTTCATCATGGTCTCTCTGATCCCTCATA 430
DB 462 GCATGCCAAAGTGCCTATGATATGAGAAACTGAGTGGAGGAGTGGAGATCCAAATA 521
QY 431 AGTATTAGACCTCATGATTTGGTATCATTACAGACATTTGGATCTCATTAATTAAGTAT 490
DB 522 AGTACATTCGCTTGATGACTAATATCGTCAAGGATCTTGATGCCACTTCATCAAGGCAT 581
QY 491 TTAATGCTCTGCACATT 507
DB 582 AAAAGGGATATTATAT 598

RESULT 7
US-09-111-573-11

Sequence 11, Application US/09111573
Patent No. 5929302
GENERAL INFORMATION:
APPLICANT: Kellogg, Jill A.
APPLICANT: Bestwick, Richard K.
TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/111,573
FILING DATE: 29-JAN-1996
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/592,936
FILING DATE: 29-JAN-1996
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Susan T.
REGISTRATION NUMBER: 38,443
REFERENCE/DOCKET NUMBER: 4257-0012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 324-0880
TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 745 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: PAG302, drul genomic clone
US-09-111-573-11

Query Match 14.5%; Score 99.4; DB 2; Length 745;
Best Local Similarity 57.1%; Pred. No. 2.1e-15;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 191 ATGGCTCTATCAAGTCTTGGTATTACACTATTGATGGCGAAGGAGAGTTTAAAGGAC 250
DB 282 ATGTTTCAAGTATTATTTCTTACAAATATAGAGGGCGAAGTGGGAACATTCAGGAGA 341
QY 251 GGGTCAGTTTCACGATGATAAATTTCTGATAGTCTTGGATGGAGTGGGAGGAGATGTGT 310
DB 342 AAGTAGAGTAGCAGATGTGACCAAGCAATATCTGATGGGTTGGAGGAGATGTGT 401
QY 311 TCAAAATATTAAACGTTTAAACCGCTTACCAATTTGTACCTAAGGATCGTAAACCAT 370
DB 402 TCAGTATTACAGAGCTTCAAGCCGCTCTATCAATTCACCTCAAAAGATGATGGCAGCA 461
QY 371 GCCAGGCAATTCAGTATAGATATGAGAACTTATCATATGGTCTCTGATGCTTCATA 430
DB 462 GCATTCGCCAAGTGTCCATTGATATGAGAACTGATGAGGAAGTTGCAGATCCAAATA 521
QY 431 AGTATATTGACCTCATGATGGTATCACTAACGACATTTGGATCTCACAATTAATAAGTAT 490
DB 522 AGTACATTCGCTTGATGACTATATATCGTCAAGGATCTTGTATGCCCACTTCAATCAAGCAT 581
QY 491 TTAATGCTGTCACT 507
||| |

Db 582 AAAAGGGATATTATAAT 598
RESULT 8
US-08-592-936B-12
Sequence 12, Application US/08592936B
Patent No. 5783393
GENERAL INFORMATION:
APPLICANT: Kellogg, Jill A.
APPLICANT: Bestwick, Richard K.
TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dehlinger & Associates
STREET: 350 Cambridge Avenue, Suite 250
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94306
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/592,936B
FILING DATE: 29-JAN-1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Evans, Susan T.
REGISTRATION NUMBER: 38,443
REFERENCE/DOCKET NUMBER: 4257-0012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 324-0880
TELEFAX: (650) 324-0960
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 2213 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: linear
MOLECULE TYPE: DNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: PAG310 Insert sequence
US-08-592-936B-12

Query Match 14.5%; Score 99.4; DB 1; Length 2213;
Best Local Similarity 57.1%; Pred. No. 2.7e-15;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

QY 191 ATGGCTCTATCAAGTCTTGGTATTACACTATTGATGGCGAAGGAGAGTTTAAAGGAC 250
DB 1653 ATGTTTCAAGTATTATTTCTTACAAATATAGAGGGCGAAGTGGGAACATTCAGGAGA 1712
QY 251 GGGTCAGTTTCACGATGATAAATTTCTGATAGTCTTGGATGGAGTGGGAGGAGATGTGT 310
DB 1713 AAGTAGAGTAGCAGATGTGACCAAGCAATATCTGATGGGTTGGAGGAGATGTGT 1772
QY 311 TCAAAATATTAAAGCTTTAAACCGCTTACCAATTTGTACCTAAGGATCGTAAACCAT 370
DB 1773 TCAGTATTACAGAGCTTCAAGCCGCTCTATCAATTCACCTCAAAAGATGATGGCAGCA 1832
QY 371 GCCAGGCAATTCAGTATAGATATGAGAACTTATCATATGGTCTCTGATGCTTCATA 430
DB 1833 GCATTCGCCAAGTGTCCATTGATATGAGAACTGATGAGGAAGTTGCAGATCCAAATA 1892
QY 431 AGTATATTGACCTCATGATGGTATCACTAACGACATTTGGATCTCACAATTAATAAGTAT 490
DB 1893 AGTACATTCGCTTGATGACTATATATCGTCAAGGATCTTGTATGCCCACTTCAATCAAGCAT 1952
||| |

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OY 491 TTAATGCTGTGCACATT 507
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Db 1953 AAAGGGATATTATAAT 1969

RESULT 9
US-08-788-928A-1
; Sequence 1, Application US/08788928A
; Patent No. 5783394
; GENERAL INFORMATION:
; APPLICANT: Bestwick, Richard K.
; APPLICANT: Kellogg, Jill A.
; TITLE OF INVENTION: RASPBERRY PROMOTERS FOR EXPRESSION OF
; TITLE OF INVENTION: TRANSGENES IN PLANTS
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,928A
; FILING DATE: 24-JAN-1997
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/592,936
; FILING DATE: 29-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Evans, Susan T.
; REGISTRATION NUMBER: 38,443
; REFERENCE/DOCKET NUMBER: 4257-0015
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 324-0880
; TELEFAX: (650) 324-0960
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2213 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: pag310 insert sequence (dru 1 gene)
US-08-788-928A-1

Query Match 14.5%; Score 99.4; DB 1; Length 2213;
Best Local Similarity 57.1%; Pred. No. 2.7e-15;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

OY 191 ATGGCTCTATCAAGCTTGGTATTACACTATGATGGCAAGCAGAGATTTTAAGGAAC 250
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1653 ATGTGTTTCAGTGATTATTTCTTACAAATATAGAGGCGGAAGTGGGAACATTCAAGGAGA 1712
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 251 GGGTCGAGTTCCACCATGATATAATTTGTTGATGCTTGGATGGAGTGGGAGGATGTGT 310
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1713 AAGTAGAGCTAGACGATGTGACAAAGGCAATTAATTTCTGAATGGTGGGAAGGATGTGT 1772
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 311 TCAAAAATTTATAAAGCTTTAAACAGCTTACCAATTTGTACTTAAGGATCGTAACCAATT 370
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1773 TCCAGTATTACAAGAGCTTCAAGCCCGTCTATCAATTCACATAAAGAAATGATGGCAGCA 1832
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 371 GCCAGGCAATTTCTGAGTAGATAGATGAGAACTTCATCATGCTGGGTCTCTGATCTCTCATA 430
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1833 GCATTGCCAAAGTGTCCATTGATATAGAACTGAGTGGAGGAAAGTTCGAGATCCCAATA 1892
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

OY 431 AGTATATTGACCTCATGATTGGTATCACTATCAAGCAGATTGGGATCTCACATTAAATAAGTAT 490
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1893 AGTACATTGCTTGTGATGACTAATATCGTCAAGGATCTTGTATGCCCACTTCATCAAGGCAT 1952
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 491 TTAATGCTGTGCACATT 507
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1953 AAAGGGATATTATAAT 1969
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 10
US-09-111-573-12
; Sequence 12, Application US/09111573
; Patent No. 5929302
; GENERAL INFORMATION:
; APPLICANT: Kellogg, Jill A.
; APPLICANT: Bestwick, Richard K.
; TITLE OF INVENTION: PLANT TISSUE / STAGE SPECIFIC PROMOTERS FOR
; TITLE OF INVENTION: REGULATED EXPRESSION OF TRANSGENES IN PLANTS
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/111,573
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/592,936
; FILING DATE: 29-JAN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Evans, Susan T.
; REGISTRATION NUMBER: 38,443
; REFERENCE/DOCKET NUMBER: 4257-0012
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 324-0880
; TELEFAX: (650) 324-0960
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2213 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: pag310 insert sequence
US-09-111-573-12

Query Match 14.5%; Score 99.4; DB 2; Length 2213;
Best Local Similarity 57.1%; Pred. No. 2.7e-15;
Matches 181; Conservative 0; Mismatches 136; Indels 0; Gaps 0;

OY 191 ATGGCTCTATCAAGCTTGGTATTACACTATGATGGCAAGCAGAGATTTTAAGGAAC 250
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1653 ATGTGTTTCAGTGATTATTTCTTACAAATATAGAGGCGGAAGTGGGAACATTCAAGGAGA 1712
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 251 GGGTCGAGTTCCACCATGATATAATTTGTTGATGCTTGGATGGAGTGGGAGGATGTGT 310
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1713 AAGTAGAGCTAGACGATGTGACAAAGGCAATTAATTTCTGAATGGTGGGAAGGATGTGT 1772
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 311 TCAAAAATTTATAAAGCTTTAAACAGCTTACCAATTTGTACTTAAGGATCGTAACCAATT 370
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1773 TCCAGTATTACAAGAGCTTCAAGCCCGTCTATCAATTCACATAAAGAAATGATGGCAGCA 1832
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 371 GCCAGGCAATTTCTGAGTAGATAGATGAGAACTTCATCATGCTGGGTCTCTGATCTCTCATA 430
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 1833 GCATTGCCAAAGTGTCCATTGATATAGAACTGAGTGGAGGAAAGTTCGAGATCCCAATA 1892
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Db 1773 TCAGTATTACAGAGCTTCAAGCCGCTATCAATTCACAAAGAATGATGGCAGCA 1832
QY 371 GCCAGGCAATTCAGTATAGATGATGAGAACTTCATCATGGGTCTCCCTGATCCTCATA 430
Db 1833 GCATTGCCAAGTGTCCATTGAATATGAGAACTGAGTGAGGAAGTTGCAGATCCAAATA 1892
QY 431 AGTATATTGACCTCAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 490
Db 1893 AGTATATTGACCTCAGTATGATGATGATGATGATGATGATGATGATGATGATGATGAT 490
QY 491 TTAATGCTGTGACATT 507
Db 1953 AAAAGGGATATTATAAT 1969

RESULT 11

US-08-257-073-15/c
; Sequence 15, Application US/08257073
; Patent No. 5766597
; GENERAL INFORMATION:
; APPLICANT: Paolletti, Enzo
; APPLICANT: de Taisne, Charles
; APPLICANT: Tine, John A.
; TITLE OF INVENTION: MALARIA RECOMBINANT POXVIRUS VACCINE
; NUMBER OF SEQUENCES: 143
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Curtiss, Morris & Safford, P.C.
; STREET: 530 Fifth Avenue, 25th Floor.
; CITY: New York
; STATE: New York
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 10036

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/257,073

; FILING DATE: 09-JUN-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/075,783

; FILING DATE: 11-JUN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/852,305

; FILING DATE: 18-MAR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/672,183

; FILING DATE: 20-MAR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Frommer, William S.
; REGISTRATION NUMBER: 25,506

; REFERENCE/DOCKET NUMBER: 454310-2570
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 840-3333

; TELEFAX: (212) 840-0712
; TELEX: 425066 CURTMS
; INFORMATION FOR SEQ ID NO: 15:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 1320 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single

; TOPOLOGY: linear
; US-08-257-073-15

Query Match 6.0%; Score 41.2; DB 1; Length 1320;

Best Local Similarity 56.7%; Pred. No. 0.21; Mismatches 58; Indels 0; Gaps 0;
Matches 76; Conservative 0;

QY 542 TTATATTTTATTTTGAAGTAATTTTCGTGTGTTGATGATGATGATGATGATGATGATGAT 601
Db 1151 TTATCATTTGGTTTAAATATATATCCCTTGTGTTTTCATATATTTCTTCTCTTTTATT 1092

QY 602 TTATATTTTATTTTGAAGTAATTTTCGTGTGTTGATGATGATGATGATGATGATGATGAT 661
Db 1091 TTTTCTTCAGATAATTTCTTCGATGATTTTCTTATTCCTTCAATCATCTAAATTT 1032
QY 662 CATCCCTTGTATT 675
Db 1031 TCATTTTCTCTAT 1018

RESULT 12

US-08-098-327E-41/c
; Sequence 41, Application US/08098327E
; Patent No. 6270771
; GENERAL INFORMATION:

; APPLICANT: GUERIN-MARCHAND, Claudine
; APPLICANT: DRUILHE, Pierre

; TITLE OF INVENTION: PEPTIDE SEQUENCES SPECIFIC FOR THE
; TITLE OF INVENTION: HEPATIC STAGES OF P. FALCIPARUM BEARING EPITOPES CAPABLE
; TITLE OF INVENTION: OF STIMULATING THE T LYMPHOCYTES

; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Burns, Doane, Swecker & Mathis

; STREET: P.O. Box 1404
; CITY: Alexandria

; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/098,327E

; FILING DATE: 24-NOV-1993
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: FR 91 01286
; FILING DATE: 05-FEB-1991

; ATTORNEY/AGENT INFORMATION:
; NAME: McGowan, Malcolm K.
; REGISTRATION NUMBER: 39,300

; REFERENCE/DOCKET NUMBER: 010830-045
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620

; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 41:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 1482 base pairs
; TYPE: nucleic acid

; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)

; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..1482

; PUBLICATION INFORMATION:
; DOCUMENT NUMBER: WO 92/13884
; PUBLICATION DATE: 20-AUG-1992

US-08-098-327E-41

Query Match 6.0%; Score 41.2; DB 4; Length 1482;

Best Local Similarity 56.7%; Pred. No. 0.21; Mismatches 58; Indels 0; Gaps 0;
Matches 76; Conservative 0;

QY 542 TTATATTTTATTTTGAAGTAATTTTCGTGTGTTGATGATGATGATGATGATGATGATGAT 601
Db 1313 TTATCATTTGGTTTAAATATATATCCCTTGTGTTTTCATATTTCTTCTCTTTTATT 1254

QY 602 TTATATTTTCAATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 661
Db 1253 TTTTCTTCAGATAATTTCTTCTGATGATTTTCTTCTTCTTCTTCTTCTTCTTCTTCTT 1194

QY	542	TTATATTTTATTTCGAAGTAATTTTCGTGCTGGTGATTATGATCTTTGCTATTTCCTT	601
Db	1313	TTATCATTTTGGTTTAAATATTATCCCTTGTTTTTTCATATTCTTCCTTTTTTATT	1254
QY	602	TTATATTTCAATAAGTATATCGTTTATATAAATACAAAGTAAATAAACCAAGGAT	661
Db	1253	TTTTCTTCAGATAAATCTTCTCATGATTTTTTCTATTCCCTTCATCTAAATCATCTAAATTT	1194
QY	662	CATCCCTTGTTTAT	675
Db	1193	TCATTTTTTCTCTAT	1180

[illegible]

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OM nucleic - nucleic search, using sw model

Run on: November 2, 2002, 13:15:51 ; Search time 51.374 Seconds
(without alignments)
7432.073 Million cell updates/sec

Title: US-09-811-093b-42_copy_156_1708

Perfect score: 1553

Sequence: 1 taactagaagctaaaggacg.....gagatagaaggttttaaatc 1553

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_NA.*
1: /cgn2.6/prodata/1/ina/5A_COMB.seq.*
2: /cgn2.6/prodata/1/ina/5B_COMB.seq.*
3: /cgn2.6/prodata/1/ina/6A_COMB.seq.*
4: /cgn2.6/prodata/1/ina/6B_COMB.seq.*
5: /cgn2.6/prodata/1/ina/PCTUS_COMB.seq.*
6: /cgn2.6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	92.8	6.0	636	4	US-08-998-416-1137
2	89.8	5.8	837	4	US-08-998-416-288
3	89.2	5.7	7218	1	US-08-232-463-14
4	89	5.6	6124	4	US-08-213-419B-3
5	86.6	5.6	19124	2	US-08-487-826B-13
6	86.2	5.6	19124	2	US-08-487-826B-13
7	84	5.4	615	4	US-08-998-416-186
8	80.8	5.2	1431	4	US-09-316-083-2
9	76.2	4.9	5852	1	US-07-867-106-2
10	74.2	4.8	5852	1	US-07-867-106-2
11	74	4.8	240	1	US-08-628-417-6
12	73.6	4.7	6243	2	US-09-056-075-1
13	73.4	4.7	1511	1	US-07-991-867B-8
14	73.4	4.7	1511	1	US-08-107-755A-8
15	73.4	4.7	1511	2	US-08-544-332-8
16	73.2	4.7	658	4	US-08-998-416-595
17	72.6	4.7	2447	2	US-09-014-969-14
18	71.8	4.6	854	4	US-08-998-416-534
19	71.4	4.6	3095	6	5231168-1
20	71.2	4.6	636	4	US-08-998-416-1137
21	70.8	4.6	724	4	US-08-998-416-683
22	70.4	4.5	732	4	US-08-998-416-1036
23	69	4.4	3701	4	US-08-845-258-10
24	69	4.4	3701	4	US-08-990-571-10
25	69	4.4	3701	4	US-08-723-142A-10
26	68.8	4.4	837	4	US-08-998-416-288
27	68.4	4.4	6152	4	US-08-973-462-1

C 28 68.2 4.4 565 2 US-08-883-795A-36 Sequence 36, Appl
C 29 67.8 4.4 6124 4 US-08-213-419B-3 Sequence 3, Appl
C 30 615 4 US-08-998-416-186 Sequence 186, App
C 31 67.4 4.3 3701 4 US-08-845-258-10 Sequence 10, Appl
C 32 67.4 4.3 3701 4 US-08-990-571-10 Sequence 10, Appl
C 33 67.4 4.3 3701 4 US-08-723-142A-10 Sequence 10, Appl
34 67 4.3 4673 1 US-07-638-431-1 Sequence 1, Appl
35 67 4.3 4673 5 PCT-US92-00018-1 Sequence 1, Appl
C 36 67 4.3 8920 2 US-08-446-855A-1 Sequence 1, Appl
C 37 67 4.3 8920 2 US-09-150-741-1 Sequence 1, Appl
38 66.8 4.3 8920 2 US-08-446-855A-1 Sequence 1, Appl
39 66.8 4.3 8920 4 US-09-150-741-1 Sequence 1, Appl
C 40 66.2 4.3 863 4 US-08-998-416-191 Sequence 191, App
41 65.8 4.2 2861 1 US-08-299-953-1 Sequence 1, Appl
42 65.8 4.2 2861 1 US-08-459-415-1 Sequence 1, Appl
43 65.8 4.2 2861 4 US-09-066-687-1 Sequence 1, Appl
44 65.8 4.2 2861 5 PCT-US95-11231-1 Sequence 1, Appl
45 65.8 4.2 3881 1 US-08-299-953-2 Sequence 2, Appl

ALIGNMENTS

RESULT 1

US-08-998-416-1137
Sequence 1137, Application US/08998416
Patent No. 6239264

GENERAL INFORMATION:

APPLICANT: Philippsen, Peter
APPLICANT: Pohlmann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jurgen
APPLICANT: Knechtel, Philipp
APPLICANT: Rebischung, Corline

TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPII

NUMBER OF SEQUENCES: 1152

CORRESPONDENCE ADDRESSES:

ADDRESSEE: No. 6239264artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park

STATE: NC 27709

COUNTRY: USA

ZIP: 27709

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/998,416

FILING DATE: 24-DEC-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: CH 0016/97

FILING DATE: 31-DEC-1996

ATTORNEY/AGENT INFORMATION:

NAME: Meigs, J. Timothy

REGISTRATION NUMBER: 38,241

REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976

TELECOMMUNICATION INFORMATION:

TELEPHONE: 919-541-8587

TELEFAX: 919-541-8689

INFORMATION FOR SEQ ID NO: 1137:

SEQUENCE CHARACTERISTICS:

LENGTH: 636 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

ORIGINAL SOURCE:

ORGANISM: PAG1692RP

US-08-998-416-1137

Query Match 6.0%; Score 92.8; DB 4; Length 636;
Best Local Similarity 49.7%; Pred. No. 4.9e-07;
Matches 300; Conservative 0; Mismatches 292; Indels 12; Gaps 2;

QY 751 AATAAATGAAATCCCATATATAAATATTTTCCCAAAAGAGTACATGCTATC 810
DB 16 AATTTAATTAAGAGTATATAAATCTTTTATATATATATTAAGTATTAATAT 75
QY 811 TAAAAATTTGATCCCATATAGAACAAATCTCAAAATGAGAACAAATTTGAAATCTC 870
DB 76 TAAACTATATATATCAATTAATAAATTAATTTATTTGATTAATACTATATATAT 135
QY 871 GATATAGAAACATTTACTATTTTGAATTTGGGACATATTTCCAAAGTTATTTCCAAAGCT 930
DB 136 AATTTATATATATTTACTTATTTATTCATCATTTATTAATTTATTAATAAT 192
QY 931 AACTTTGAGGAAAGTTGATTTGAGATCATCCCATATTTTGTTCATATTTGAAATTT 990
DB 193 AATATTTAATGAAATCTATTTAGTCTATGTTCAATTTTAAATAGTTATTAATAAT 252
QY 991 CATGAAATTTAAATGACACAAATATGATGATGATTAACCAAGTTTATCGTTAT 1050
DB 253 TATTAGATATATTTATTTTCTTTTAAATTAATAATTTTAAATAGATTATCAATAA 303
QY 1051 TGAATCTTTTATTAATAAACCAACAAATTTTAAACTGTTTGCATAGACCAATATA 1110
DB 304 TTAATATATATTTATTTATTTGTTTAAATAATATATATTTTATTAATAAGATTTA 363
QY 1111 GTATATCCATCGTGTCTATTTAGTAAATTTGTAATTTTGTATATTTTAAATAAT 1170
DB 364 AATTAATTAATTAATTTGTAATTTATTTTATTTATTAATATATTTTATTAATAAT 423
QY 1171 TTTGATTTATTTTGTATATTTTGTATATTTTGTATATTTTGTATATTTTAAATAAT 1230
DB 424 GTTGATTTATATTTTAACTTTTATTTTAAAGAAATTTATTAATAATTTTAACTTTA 483
QY 1231 ATATCTTAATAAATTTGTTTAAATTTTCTATTTTGTATATTTTGTATATTTTAAATAAT 1290
DB 484 AATTTCTATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 543
QY 1291 ATAACTTTTAAATACTAAATGATGACACACATTAATTTATTTTATTTTATTTTATTTT 1350
DB 544 ATTTAATTAATTAATTTTAAATTTTAAATTTTAACTATTTTAAATTAATAATAATA 603
QY 1351 TAAT 1354
DB 604 TTAT 607

RESULT 2

US-08-998-416-288
Sequence 288, Application US/08998416
Patent No. 6239264
GENERAL INFORMATION:

APPLICANT: Philippsen, Peter
APPLICANT: Pohlmann, Rainer
APPLICANT: Steiner, Sabine
APPLICANT: Mohr, Christine
APPLICANT: Wendland, Jurgen
APPLICANT: Knechtel, Philipp
APPLICANT: Reibichung, Corinne
TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPII
TITLE OF INVENTION: AND USES THEREOF
NUMBER OF SEQUENCES: 1152
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6239264artis Corporation
STREET: 3054 Cornwallis Road
CITY: Research Triangle Park
STATE: No. 6239264th Carolina
COUNTRY: USA
ZIP: 27709

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
FILING DATE: 24-DEC-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: CH 0016/97
FILING DATE: 31-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-541-8587
TELEFAX: 919-541-8689
INFORMATION FOR SEQ ID NO: 288:
SEQUENCE CHARACTERISTICS:
LENGTH: 837 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: PAG1241RP
US-08-998-416-288

Query Match 5.8%; Score 89.8; DB 4; Length 837;
Best Local Similarity 50.4%; Pred. No. 1.4e-06;
Matches 305; Conservative 0; Mismatches 287; Indels 13; Gaps 3;

QY 751 AATAAATGAAATCCCATATATAAATTTTCCCAAAAGAGTACATGCTATC 810
DB 16 AATTTAATTAAGAGTATATAAATCTTTTATATATATATTAAGTATTAATAT 75
QY 811 TAAAAATTTGATCCCATATAGAACAAATTTCTCAAAATGAGAACAAATTTGAAATCTC 870
DB 76 TAAACTATATTTATCATTTATTTAATAAATTAATTTATTTGATTAATACTATTTATAT 135
QY 871 GATATAGAAACATTTACTATTTTGAATTTGGGACATATTTCCAAAGTTATTTCCAAAGCT 930
DB 136 AATTTATATATATTTACTTATTTATTCATCATTTATTAATTTTATTAATAAAT 192
QY 931 AACTTTGAGGAAAGTTGATTTGAGATTAACATTTTGTTCATATTTGATTAATTT 990
DB 193 AATATTTAATGAAATCTATTTAGTCTATGTTCAAAATTTTAAATAGTTATTAATAAT 252
QY 991 CATGAAATTTAAATGACACAAATATGATGATGATTAACCAAGTTTATCGTTAT 1050
DB 253 TATTAGATATATTTATTTTCTTTTAAATTAATAATTTTAAATAGATTATCAATAA 303
QY 1051 TGAATCTTTTATTAATAAACCAACAAATTTTAAACTGTTTGCATAGACCAATATA 1110
DB 304 TTAATATATATTTATTTATTTTAAATAATATATTTTATTTATTAATAAGATTTA 363
QY 1111 GTTAATCCATCGTGTCTATTTGATTAATAATTTGTTATATTTTGTATATTTTAAATAAT 1170
DB 364 AATTTATTAATTTGTTAAATTTATTTTATTTATTAATAATCTATTTTATTAATAAT 423
QY 1171 TTTGATTTATTTTGTATATTTTGTATATTTTGTATATTTTGTATATTTTAAATAAT 1230
DB 424 GTTGATTTATATTTTAACTTTTATTTTAAAGAAATTTATTAATAATTTTAACTTTA 483
QY 1231 ATATCTTAATAAATTTGTTTAAATTTTCTATTTTGTATATTTTGTATATTTTAAATAAT 1290
DB 484 AATTTCTATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 543
QY 1290 TATAACATTTTAAATACTAAATGATGACACACATATATTTTATTTTATTTTATTTTATTT 1349
DB 544 TATTTAATTAATTAATTTTAAATTTTAAATTTTAACTATTTTAAATTAATAATAAAT 603

QY 739 AAAGACCCCTTAAATAAATGAATCGCATATAATAATAATTTTCCCAAAAAGTAG 798
Db 1654 TACAATTTTTTTTTTTTTTTTTTTTTTTTTTAAACGAATGAATAATATATTTATGAGATC 1713
QY 799 ACTATGCTATCAAAAATTTGATTTCCCAATATAGAACAAATTCACAAATGAACAAACA 858
Db 1714 ACAATTTTAAATAATTTATTTTTTTTTCGGTTAAATATTTTTTGTGTCACGATACTA 1773
QY 859 TTTGAAATCTCGATATAGAAACAACTTACTTATTTTGAATTTGGACATATTTCCAAAGTT 918
Db 1774 ATCCCTTGTATTTCTTAAAAAAAATGTACACATGTACAAATGTATATATATATATA 1833
QY 919 TAT-TCCAAACCTTAATTTGAAGGAAGTTGATGAGATTACATCCATTTTGTGTTT 977
Db 1834 TATATGATCTTACAATTTAATATATTTTAGAATATTAATAATTTTCTAGATAATAC 1893
QY 978 TCATATGAATTTTCATGGAAAATTTAAATGCACAAAATGATGATGAGATTAAACCAA 1037
Db 1894 TATAATTTGATAATCGGAATCTTAAATGTTACAAAATGAGAACTAAACACTCATT 1953
QY 1038 ACTTATCGTTATGAACTTTTATTAATAAACCAACAAAATTTTAAACCTTTGTTGCA 1097
Db 1954 AT 2013
QY 1098 ATAGACCAATATAGTTAATCCATCGGTGCTATTTAGATAAATTTCTATATTTTCTTAT 1157
Db 2014 ATATGCTTCTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 2073
QY 1158 ATTTAATAATTTTGAATTTATTTGATATATTTGATTTAGATAACAAAATTAAGATT 1217
Db 2074 TTTGATTAATAATAAAGAGTCATATTTCTAGATTATTTCTTATGAGATGTAC 2133
QY 1218 TAAATATATTTTATCTTATATATAAATTTGTTAAT-----TTTTCTATTTTAT 1270
Db 2134 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2193
QY 1271 ACCATTTCTTTTATTTATATATATTTAATAAATTAATAAATGATGACACACATAA 1330
Db 2194 TATATTTATTTAATTTA 2253
QY 1331 TTATTTTATCCAAAGAAATTAATGCTATAAATATGCTTCTTTCTTTATCACCCTCATGA 1390
Db 2254 TTAGATTTGCCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2309
QY 1391 TAAATATGAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 1450
Db 2310 CATATATTTATACATAAAGAAAAATTAATAAATAAATAAATAAATAAATAAATAAATA 2369
QY 1451 TAGATATTACTATATCAACAACCTTTTGTATATAAAGGCGCAAGAAAT 1497
Db 2370 CTTAATAAT 2416

RESULT 5

US-08-487-826B-13/C
; Sequence 13, Application US/08487826B
; Patent No. 5993827

GENERAL INFORMATION:

APPLICANT: Sim, Kim L.
APPLICANT: Chitnis, Chetan
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
APPLICANT: Su, Xin-zhaun
APPLICANT: Wellens, Thomas E.

TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX

TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS

NUMBER OF SEQUENCES: 45

CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US

ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,826B
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israelson, Ned
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH121.001CPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 19124 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-487-826B-13

Query Match 5.6%; Score 86.6; DB 2; Length 19124;

Best Local Similarity 47.7%; Pred No. 4.6e-06;

Matches 382; Conservative 0; Mismatches 409; Indels 10; Gaps 4;

QY 643 TATATTTCTTATTTATGTTTGTAGAAATTTTTCATTTTCGAAATTTGTTCTATACAAAT 702
Db 7051 TACAATATATGATATGTTTAAAAAATAATATTTAATATGATATATAATAATATTATTAG 6992
QY 703 AAATATAAATATTTTACCACCTCGTTATATTTTCGAAAGACCCCTTAAATAATTTGAAT 762
Db 6991 TTTTATATATTTTAAAAAATAATATATATATATATATATATATATATATATATATAT 6932
QY 763 TCGCATATATTTAAATTTTTCCTCCAAAAAGTAGACTATGCTA----TCTAAAAAT 818
Db 6931 ATCTCAACAAAAAATAAT 6872
QY 819 TGATTTCCCAATATAGAACAAATTTCCAAATGAACAAACATTTGAAATTTCTCGATATAGA 878
Db 6871 TATTTAATATATATATATATATATTTTATGTTTATTTAATTAAGTAAAAATATAAATG 6812
QY 879 AACATTTACTTATTTTGAATTTGGGACATATTCCTCAAGTTTATTCCTCAAGTAACTTTGA 938
Db 6811 AGAAAAAATAATACGAAAAATACAAACATATAAAAAAGTATATATATATATATATATAT 6752
QY 939 AGAAAAAGTTGATGAGATTACATCCATATTTTGTGTTTTCATATTTGAATTTTCATGAAA 998
Db 6751 ATTTAATTTAATATATATATATATATATTTTGTGCTTTTATTTTATTTATATATAT 6692
QY 999 ATTAATGTCACACAAATGATGATGAGATTAAACAAAGTTTATCGTTATTTGAATTTCT 1058
Db 6691 ATATATATATATAGATAACAAAGACAAATATGTTCTCTCTCTCTCTCTCTCTCTCT 6632
QY 1059 TTTATTAATAAACCAACAAATTTTAAACTTTGTTGCAATAGACCAATATAGTTTAACTC 1118
Db 6631 ATTTCTATCATATTTATATATATTTCTATATATATATATATATATATATATATATAT 6572
QY 1119 ATCGGGTCTATTTGATGATAAATTTGTAATTTTGTATATTTTAAATAATTTTCTGATTT 1178
Db 6571 ATGTTGAT-----TATTAAGTAGTATATATATATATATATTTTGTGTTGTTATAT 6516
QY 1179 ATTTGATATATTTGATTAACAAATTAAGATTTAAATATATTTTATTTATTTATCTTA 1238
Db 6515 ATTAATAATTA-TTAT 6457
QY 1239 ATATAACATTTGTTAAATTTTCTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTT 1298

Db 1348 TATATATATAATCTTTTTTATTAATGTTCTCTCTTTTTTTTTTTTTTAAATAATAA 1407
QY 1352 AATGCTATAAATATGGGCTCTCTTTATATACCTTCATGATATATGAGAAATAATAATAA 1411
Db 1408 TAAATATTAATAATATTTTTTTTTCATATAATATATGATTTAGTATTAATAATAATAAAT 1467
QY 1412 AATTTAATATATATATTCATTTTCATCTAATCGTACAAGCTAGATATTACTA 1462
Db 1468 CTTTTTAAACCTTCAAAACATTTTGGCATAAATAATATTAATATTAGTA 1518

RESULT 7

US-08-998-416-186
; Sequence 186, Application US/08998416
; Patent No. 6239264
; GENERAL INFORMATION:
; APPLICANT: Philippsen, Peter
; APPLICANT: Pohlmann, Rainer
; APPLICANT: Steiner, Sabine
; APPLICANT: Mohr, Christine
; APPLICANT: Wendland, Jurgen
; APPLICANT: Knechtle, Philipp
; APPLICANT: Reibschung, Corinne
; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSYPHII
; TITLE OF INVENTION: AND USES THEREOF
; NUMBER OF SEQUENCES: 1152
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6239264artis Corporation
; STREET: 3054 Cornwallis Road
; CITY: Research Triangle Park
; STATE: No. 6239264th Carolina
; COUNTRY: USA
; ZIP: 27709

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/998,416
; FILING DATE: 24-DEC-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: CH 0016/97
; FILING DATE: 31-DEC-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Weigs, J. Timothy
; REGISTRATION NUMBER: 38,241
; REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-541-8587
; TELEFAX: 919-541-8689
; INFORMATION FOR SEQ ID NO: 186:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 615 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: PAG1074RP

US-08-998-416-186

Query Match 5.4%; Score 84; DB 4; Length 615;
Best Local Similarity 49.8%; Pred. No. 1.1e-05;
Matches 301; Conservative 0; Mismatches 290; Indels 13; Gaps 3;

QY 751 AATAATGAATTCGCATATAATTAATTTTTTCCCAAAAAGTAGTACTATGCTATC 810
Db 16 AATTTAATTTAAGAGATTAATATAAATCTTTTATTATTAATATTAAGTATTAAATAT 75
QY 811 TAAATATTGATCCCATATAGACAAATTTCTCAAAATGACAAACATTTGAAATTCCTC 870

Db 76 TTAACATATTATATCATTTATTTAATAAATAATTAATTTGATTATTAATACTATTATAT 135
QY 871 GATATAGAAAACATTTACTTTATTTTGAATTTGGGACATATTCCTCAAGTTTATTTCCAACT 930
Db 136 AATTTATTAATAATTTACTTTATTTTCAATTTATTAATAATTTTATTAATAATTTATTAAT 192
QY 931 AACTTTGAGGAAGTTGATTGAGATTCATCCATATTTTGGTTTTCATATTTGAATTT 990
Db 193 AATATTTAATATGATATCTATTTAGTCTATGTTCAAAATTTTAAATAGTTATTAATAAT 252
QY 991 CATGGAAATTTAAATGCACAAATGATGATGATGATGATGATGATGATGATGATGATGAT 1050
Db 253 TATTAGATATTATTATTTTC-----TTTAAATAAATAATTAATAAGATTATCAATAA 303
QY 1051 TGAATCTCTTTTATTAATAAACCACAAATTTTAAACCTGTTTGCATAGACCATATA 1110
Db 304 TTAATATATTTATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATTTT 363
QY 1111 GTTAATCCATCGTCTATTGATAGATAATTTGTAATTTTGGTTATATTTAATAAAT 1170
Db 364 ATTTATTTAATAATTTGTAATTTATTTTATTAATAATCTATTTTATTAATAATTTAT 423
QY 1171 TTTGATTTTATTTGATATATTTTGTATTTAGATAACAAAATTTAAGATTTTAAATTTAT 1230
Db 424 GTTGATTTATATTTATTAACCTTTTATAGAAATTTATTTAATAATTTTAACTTTA 482
QY 1231 ATATCTTAATATAAATTTGTTTAAATTTTCTATTTTAGACCATTTCTCTTATTTTAT 1290
Db 483 ATTTCTTATTTAATTTTATATTTTATTAATAAATTTATTTATTTATTTATTTATTT 542
QY 1291 ATAACTTTTAAATACTAATGATGACACACACATTAATTTATTTTATCCAAAGAAA 1350
Db 543 ATTTAATAAATAATTTATTTAATAATTTTATTTATTTATTTAATAATAATAATA 602
QY 1351 TAAT 1354
Db 603 TTAT 606

RESULT 8

US-09-316-083-2/c
; Sequence 2, Application US/09316083A
; Patent No. 6280942
; GENERAL INFORMATION:
; APPLICANT: The Institute of Physical and Chemical Research
; TITLE OF INVENTION: Endonuclease
; FILE REFERENCE: PH-651
; CURRENT APPLICATION NUMBER: US/09/316,083A
; CURRENT FILING DATE: 1999-05-20
; EARLIER APPLICATION NUMBER: JP98/141861
; EARLIER FILING DATE: 1998-05-22
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 2
; LENGTH: 1431
; TYPE: DNA
; ORGANISM: Saccharomyces cerevisiae
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1428)
US-09-316-083-2

Query Match 5.2%; Score 80.8; DB 4; Length 1431;
Best Local Similarity 44.4%; Pred. No. 3.6e-05;
Matches 457; Conservative 1; Mismatches 563; Indels 9; Gaps 3;

QY 419 ACAAAAAGATTTTAAATAATCTCTTAGTCAATCTTAAACAAATGTATATACCAATTAAC 478
Db 1125 AGAAATAGATAAATCAAAAGATTTCTTGAATTAATAATAATTTCTTTACGTGTTTCAAC 1066
QY 479 GATAGAATTTGAATTAATAATCGTTAGATTTGGCTATCTCAAAATTTAAATGACCAATCT 538
Db 1065 TTGTGAATAACATACTAGGTCTCATATTTTAAATAATAATGATCTTTAGGATTATA 1006

QY	539	AAACGATCGTATACCAAAATCTAAACGATCGKATACCAAAATCTAAATGATCATGTACAAA	598
DB	1005	CATAGATGATAAAAAGAACCACCTCTGCAGCTGTAAACCAGCTAACCAATAATATTTTT	946
QY	599	TATATATGCCACATTTGTTGGCAGGTGTTGACGGAACATTTTGTATATATTTTCTATATG	658
DB	945	AATATCCATAATATTTTAAATAGGTAAATTTATTTATTTTAAATTAATTAATAAGG	886
QY	659	GGTTTGTAGAAATTTTTCATTTTCGAATTCGTCTATACATATAAATATAAATATTTTA	718
DB	885	GATATGATTTAAATTTTGATTTAAATTTATAATCACTATATATTTATATAATATTTAGT	826
QY	719	CCACTTCGTTATTTTCGAAAAGACCCCTTTAAATAAATGAAATTCGCAT---ATAAAT	774
DB	825	AAAAATCTTTCTTTAGCTAAATAGTTTAAATATTAAGAGAAAGCATTAACAAATA	766
QY	775	AAATTTTTCGCAAAAAGTAGACTATGTCTATCTAATAAATTTGATTCCTCAATATAGA	834
DB	765	AGATTTATCTTTTAAAGTATCCATCCATTTTCTACTAAAACTATTTTAAATTCCTTT	706
QY	835	ACAAATTCFAAATGACAAACATTTGAAATTCGATATAGAAACATTTACTTATTT	894
DB	705	ATTAATAAGATAGTATTTTAATACATCATTAAGTAGATGATAGTAATTTGAATACCTCAGG	646
QY	895	TGAATTTGGACATATTTCCAAAGTTTATTC--AAACGTAACTTTGAAGGAAAAGTTGAT	952
DB	645	ACCAATATTAACCATCACCTTCAATTAACCTTGATAATATCATAAATTCATTTATTT	586
QY	953	GAGATTACATCATATTTTGTTTTTCATATTTGAATTTTCATGAAAATTTAAATGCAC	1012
DB	585	TAAATCTAATACGTITTTAATATTTAAATTTACCTTTATAATTAATATTTAAACATATA	526
QY	1013	AAATGATGTATGAGATTAACCCAAAGTTATCGTTATGTGAATTCCTTTTATAAAAAACC	1072
DB	525	ATTATTTAGGAATCATATTTAACATATCTAAATATTTTCATATATTTAATAATAATTT	466
QY	1073	AACAAAATTTTAAACTGTTTGCATAGACCAATATAGTTTAATCCCATCGTGGCTATTG	1132
DB	465	ATCCATTTAAATAAAATTTATAGTA---AATTAGTTTCAATATAGAGAGTTTATTAAT	409
QY	1133	TAGATAAATTTGAATATTTTGTATATTTAATAATATTTTGATTTTATTTTGATATATTT	1192
DB	408	TAAATTTATCATAATATTTTAAATTAATTCATATATTTTAAATGAATATTTATTTATTT	349
QY	1193	GTATTTTAGATAACAAAATTAAGATTTAAATATTTTATATCTTAATATAAACATTTGT	1252
DB	348	ATTATTTAATTTATCCATTTCCATTTTTCATTTTATTTAAATATAAAAAAAGTATATAA	289
QY	1253	TAAATTTTTCATTTTAGACCAATTTCTCTATTTTATATTAACATTTTATAACTAAATG	1312
DB	288	TAAATTTATATCCATAAATTTTTTTGAAATTCATTAATCTTTTATTAGACATAGGTGACG	229
QY	1313	ATGTGACACACTAATATTTTATTTTATCCAAAGAAAATAATGCTATATAAATATGGTCT	1372
DB	228	TTGTTTATGATAGTTTATATAATACATTTATATACATATCTAATTAATAAATAATTTAT	169
QY	1373	TCCTTATCACCTTCATGATAATTTATGAATAATAAATAAATTTAAATATATAAATTCAT	1432
DB	168	ATTATCCCATTTAATAAACAAGTCATATTTATTCATTAANAATTTATACATATATTCATA	109
QY	1433	TCATCTAATC 1442	
DB	108	TTCCATAATC 99	

APPLICANT: Williams, Keith L
TITLE OF INVENTION: Improved Plasmid Vectors for Cellular
STILE OF INVENTION: Slime Moulds of the Genus Dictyostelium
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5389526-r18
STREET: One Liberty Place 46th Floor
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/867,106
FILING DATE: 19920625
PRIOR APPLICATION DATA:
APPLICATION NUMBER: AU PJ 7187
APPLICATION NUMBER: PCT/AU90/00530
FILING DATE: 02-NOV-1989
ATTORNEY/AGENT INFORMATION:
NAME: Feeney, Joanne Longo
REGISTRATION NUMBER: 35,134
REFERENCE/DOCKET NUMBER: RICE-0002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-568-3100
TELEFAX: 215-568-3439
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 5852 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ANTI-SENSE: NO
FEATURE:
NAME/KEY: CDS
LOCATION: 2378..5038
FEATURE:
NAME/KEY: CDS
LOCATION: 2378..5038
PS-07-867-106-2

Query Match 4.9%; Score 76.2; DB 1; Length 5852;
Best Local Similarity 44.0%; Pred. No. 0.00019;
Matches 469; Conservative 0; Mismatches 583; Indels 13; Gaps

Qy	359	CAAAATTTAAACAATCGCGTAAAAAANAATAAACGATCGTAGACAAATCTAAACGATCGTCGC	418
Db	2470	CAAAAGCAGATCATCTTTCTTTTACAACTTTGAATTCTCCAAAAGTATTTACAAAAAAACTT	2411
Qy	419	ACAAAAGATTTAAAAAATCGTTTTAGTCAAATCTAAACAATCTGTATTAACCAAAATTAAC	478
Db	2410	AATAAACCTATCCCAAGAATTAAGTTCGFCATTTTTAAAATCTTTGAATTAATAATTAAC	2351
Qy	479	GATAGAATTCGAATAATAATAATCGGTGTAGATTTGGCTATCCCAAATTTAAATGACCAAAATCT	538
Db	2350	CAAACTATTTAAATTAATAATAATAATGAATTTACATAAATAAAT-----AAATA	2295
Qy	539	AAACGATCGTATACCAAATCTAAACGATCGKATACCAATCTAAATGATCATGTACCAA	598
Db	2294	AAATGAAGTGCGGAAAAATAAATTAATAATTTAAAAATTAATAAAAAAAAAAAAAAGAA	2235
Qy	599	TATATATGCACATCTGTGGCAGGTGGTTGACGGAACATTTGTATATTTTCTATTATG	658
Db	2234	TTTTAAAAAANAANAANAANAANAATAATCAAAAAATAATATAAT-----TAAAAAT	2181
Qy	659	GGTTGTAGAATTTTTCATTTTCGAAATGGTTCTATACATATAAATAATAAATATTTTA	718
Db	2180	GTCAATGCCAAACGATAAATATTTGATATATATATCCAAATATTTATAAATGAAGTATAAT	2121

RESULT 9
US-07-867-106-2/c
; Sequence 2, Application US/07867106
; Patent No. 5389526
; GENERAL INFORMATION:
; APPLICANT: Slade, Martin B
; APPLICANT: Chang, Andy C M

QY 719 CCACCTCGTTATATTTTCGAAAGACCCCTTAATAAATTGAATTCGCATATATTAATAA 778
Db 2120 TAGATAGAGATAAATTTTAAATTTTATTAATAAATAATCAAAAAACCAAGTAATT 2061
QY 779 TTTTTCCTCCAAAAAGTAGACATGCTATCTAAATAATTTGATTCCTCAATAGACAA 838
Db 2060 AATATTATATAGAGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCAAGTAATAA 2001
QY 839 ATTCTCAAAATGAACAAACATTTGAAATTCCTGATATAGAAAAATTTACTTTTGTAA 898
Db 2000 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1941
QY 899 TTGGGACATATTCAGAGTTTATTCAGAGTAACTTGAAGGAAAGTTGATGAGATT 958
Db 1940 TTTTTCATATTTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1881
QY 959 ACATCCATATTTTGTATTTTCAATATGAATTTTCATGGAATTAATAATGCACACAAATG 1018
Db 1880 AAA---AAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1824
QY 1019 ATGTATGAGATTAAACCAAGTTATCGTTATTTGAATTTCTTTTAAATAAATAAATAA 1078
Db 1823 TATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1764
QY 1079 ATTTTAAACTGTTGCAATAGACCAATATAGTTAATCCATCGTGTCTATTGTAGATA 1138
Db 1763 ATTTTATATCTATCAAAAAAATAAGTAGGAAAAATGAATGTCATCAATAGTATTTAA 1704
QY 1139 AATGTATATTTTGTATATTTAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1198
Db 1703 CATTT 1644
QY 1199 AGATACAAAATAAAGATTTAAATATATTTTATATCTTTAATAAATAAATAAATAA 1258
Db 1643 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1584
QY 1259 TTTCTATTTAGACCAATCTCTATTTTATATATACATTTTAAATAAATAAATAAATAA 1318
Db 1583 TACATATTTCTTAAATACATTTTAAATTTTGAATCATATGATATACATCGTCCGGTTGAAA 1524
QY 1319 CACACATAATATTTTATTTTATCAAGAAATAAATAAATAAATAAATAAATAAATAA 1378
Db 1523 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1464
QY 1379 TCACCTTCATGATAATATGAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1423
Db 1463 TAAACTAACTATTTTATTAATAACAAACATATAAATAAATAAATAAATAAATAAATAA 1419

RESULT 10

US-07-867-106-2
; Sequence 2, Application US/07867106
; Patent No. 5389526

GENERAL INFORMATION:

; APPLICANT: Slade, Martin B
; APPLICANT: Chang, Andy C M
; APPLICANT: Williams, Keith L
; TITLE OF INVENTION: Improved plasmid Vectors for Cellular
; TITLE OF INVENTION: Slime Moulds of the Genus Dictyostellium
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & No. 5389526ris
; STREET: One Liberty Place 46th Floor
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19103

COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/867,106
; FILING DATE: 19920625
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: AU PJ 7187
; APPLICATION NUMBER: PCT/AU90/00530
; FILING DATE: 02-NOV-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Feeney, Joanne Longo
; REGISTRATION NUMBER: 35,134
; REFERENCE/DOCKET NUMBER: RICE-0002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-568-3100
; TELEFAX: 215-568-3439
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5852 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ANTI-SENSE: NO
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 2378..5038
; NAME/KEY: CDS
; LOCATION: 2378..5038
; US-07-867-106-2

Query Match 4.8%; Score 74.2; DB 1; Length 5852;

Best Local Similarity 44.7%; Pred. No. 0.00038;

Matches 331; Conservative 0; Mismatches 408; Indels 2; Gaps 1;

QY 748 TTAATAAATTAAGTTCGCATATAATAATAATAATAATAATAATAATAATAATAATAATA 807
Db 1442 TTAATAAATAAAGTTAGTTAAATAATTTATATCAATTTTAAATAAATAAATAAATAA 1501
QY 808 ATCTAAATAATTTGATTCCTCCCAATATAGAACAAATTTCTCAAAATGAACAAACATTTGAAAT 867
Db 1502 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1561
QY 868 CTGAT--ATAGAAACATTTACTTATTTGAATTTGGACATATTCACAAAGTTATTTCCA 925
Db 1562 AAAAGTTATTACAAATATATGTAATAATTAATAAATAAATAAATAAATAAATAAATAA 1621
QY 926 AAGCTAACTTTGAAGGAAAGTTGATTGAGATTACATCCATATTTTGTGTTTTCATATTG 985
Db 1622 CTTCTTTTTTTTTTTTTTTTTTTTGTCAAGACACTTTTTTTTTTGTGATGACACTTTTT 1681
QY 986 AATTCATGAAATAATAAATGCACACAAATATGATGATATGAGATTAAACCAAGTTTATC 1045
Db 1682 TTTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1741
QY 1046 GTTATTGAATTCCTTTTATTAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1105
Db 1742 TTTTATAGATAGATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1801
QY 1106 ATATAGTAAATCCATCGTGTCTATTGTAGATAAATAAATAAATAAATAAATAAATAA 1165
Db 1802 AATAATAATTTAATAATTTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1861
QY 1166 AAPATTTTGAATTTTATGATATATTTGTTATTTAGATAAATAAATAAATAAATAAATAA 1225
Db 1862 TTTAAAAATTTTTTTTTTTTTTTTATAGATCTCATAAATAAATAAATAAATAAATAAATAA 1921
QY 1226 ATTTTATATCTTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1285
Db 1922 ATTTTAAATATGCAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1981
QY 1286 TTTTATATAACATTTTAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1345
Db 1982 CTTTTTTTTTTTTTTTTTTTTTTTACTTTTGAATAAATAAATAAATAAATAAATAAATAA 2041

QY 1346 GAAATATGCTATAAATATGGCTCTCTTTATCACCTTCATGATATTAATGAAAAATA 1405
DB 2042 AACCTCATTAATAATATAATTAATTAATTTTGGTATTTTATTAATAATTA 2101
QY 1406 AATAAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 1465
DB 2102 AATTTTATTTCTATCTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 2161
QY 1466 CAACAACCTTTGTATATAAAA 1486
DB 2162 TTATCAGTTTGGCATGACAA 2182

RESULT 11
US-08-628-417-6/c
; Sequence 6, Application US/08628417
; Patent No. 5627054
; GENERAL INFORMATION:
; APPLICANT: GILLESPIE, DAVID
; TITLE OF INVENTION: COMPETITOR PRIMER ASYMMETRIC
; TITLE OF INVENTION: POLYMERASE CHAIN REACTION
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: U.S. ARMY CHEMICAL AND BIOLOGICAL
; ADDRESSEE: DEFENSE COMMAND
; STREET: OFFICE OF THE CHIEF COUNSEL (AMSCB-GC)
; CITY: ABERDEEN PROVING GROUND
; STATE: MARYLAND
; COUNTRY: USA
; ZIP: 21010-5423
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/628,417
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: BIFFONI, ULYSSES J.
; REGISTRATION NUMBER: 39,908
; REFERENCE/DOCKET NUMBER: DAM 398-94
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 410-671-1158
; TELEFAX: 410-671-2534
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: oligodeoxynucleotide
; HYPOTHETICAL: NO
; ANTI-SENSE: YES
US-08-628-417-6

Query Match 4.8%; Score 74; DB 1; Length 240;
Best Local Similarity 58.0%; Pred. No. 0.00041;
Matches 131; Conservative 0; Mismatches 95; Indels 0; Gaps 0;
QY 90 TCTCTCTTCCCT 149
DB 240 TTTTCT 181
QY 150 CTTCTATTTTCT 209
DB 180 TTTTCT 121
QY 210 GTCTTCT 269
DB 120 TTTTCT 61

QY 270 TTCCCT 315
DB 60 TTTTCT 15
RESULT 12
US-09-056-075-1/c
; Sequence 1, Application US/09056075
; Patent No. 5955368
; GENERAL INFORMATION:
; APPLICANT: Johnson, Eric A.
; APPLICANT: Bradshaw, Marite
; APPLICANT: Rood, Julian
; TITLE OF INVENTION: Expression System for Clostridium
; TITLE OF INVENTION: Species
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Quarles & Brady
; STREET: 1 South Pinckney Street
; CITY: Madison
; STATE: WI
; COUNTRY: US
; ZIP: 53701-2113
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/056,075
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Seay, Nicholas J.
; REGISTRATION NUMBER: 27386
; REFERENCE/DOCKET NUMBER: 960296.95238
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 608-251-5000
; TELEFAX: 608-251-9166
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6243 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 3770..4013
; OTHER INFORMATION: /note= "RP4 origin of DNA transfer (orit) from
; OTHER INFORMATION: plasmid RP4"
US-09-056-075-1

Query Match 4.7%; Score 73.6; DB 2; Length 6243;
Best Local Similarity 58.1%; Pred. No. 0.00048;
Matches 150; Conservative 0; Mismatches 104; Indels 4; Gaps 1;
QY 1047 TTATTGAATCTCTTTTATTAACCAACCAAAATTTAAACTTGTTGCAATAGACCAA 1106
DB 1473 TTTTATATCT 1414
QY 1107 TATAGTTAATCCATCGTGGCTATTTAGATAAATGCTAATATTTCTTATATATAA 1166
DB 1413 TAAATAATATTTTATATATTTTATTTTATTTTATTTTATTTTATTTTATTT 1354
QY 1167 ATATTTTGATTTATTTGATATATTTGATATTTAGATAACAAATTAAGATTAAATTA 1226
DB 1353 TTAATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 1298
QY 1227 TTTTATATCTTAATAAACAATTTGTTAAATTTTCTTATTTTATTTAGACATTTCTCTATT 1286
DB 1297 TTTTATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTT 1238

QY 1287 TTATATACATTTTATA 1304
 Db 1237 ATTTTATTTTATTTT 1220

RESULT 13

US-07-991-867B-8
 ; Sequence 8, Application US/07991867B
 ; Patent No. 5476781
 ; GENERAL INFORMATION:
 ; APPLICANT: Moyer, Richard W.
 ; APPLICANT: Hall, Richard L.
 ; APPLICANT: Gruidl, Michael E.
 ; TITLE OF INVENTION: No. 5476781el Entomopoxvirus Expression System
 ; NUMBER OF SEQUENCES: 66
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: David R. Saliwanchik
 ; STREET: 2421 N.W. 41st Street, Suite A-1
 ; CITY: Gainesville
 ; STATE: FL
 ; COUNTRY: USA
 ; ZIP: 32606

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/991.867B
 FILING DATE: 12-DEC-1992

CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: WO 92/14818
 FILING DATE: 12-FEB-1992

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/827,685
 FILING DATE: 30-JAN-1992

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/657,584
 FILING DATE: 19-FEB-1991

ATTORNEY/AGENT INFORMATION:
 NAME: Saliwanchik, David R.

REGISTRATION NUMBER: 31,794
 REFERENCE/DOCKET NUMBER: UFI14.C3

TELECOMMUNICATION INFORMATION:
 TELEPHONE: 904-375-8100
 TELEFAX: 904-372-5800

INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:

LENGTH: 1511 base pairs
 TYPE: nucleic acid

STRANDEDNESS: Double

TOPOLOGY: unknown

MOLECULE TYPE: DNA (genomic)

ORGANISM: Amsacta moorei entemopoxvirus

FEATURE:
 NAME/KEY: CDS

LOCATION: complement (18..218)
 FEATURE:

NAME/KEY: CDS
 LOCATION: complement (234..782)

FEATURE:
 NAME/KEY: CDS

LOCATION: 852..1511
 US-07-991-867B-8

Query Match 4.78; Score 73.4; DB 1; Length 1511;
 Best Local Similarity 46.39; Pred. No. 0.00051;
 Matches 355; Conservative 0; Mismatches 401; Indels 11; Gaps 3;
 QY 669 ATTTTTCATTTTGGAAATGTTCTATACAAATAATAATATATTTTACCACCTTCGTT 728

Db 421 ATATTCCTGTTAAAGTCACAAATTTTAAATCCAGCAACAAATTAACCTTTTATTTATATAGCC 480
 QY 729 ATATTTTCGAAAAGACCCCTTAAATTAATTCGATATAATTAATAATTTTTCCTCA 788
 Db 481 ATTTTATCACAAATTTGTTCTAAATCAATTTTCTTCAAAAATTTGACACTCATATGCCA 540
 QY 789 AAAAAAGTAGACTAIGTCTAICTAAAAATTTGATTTCCCAATATAGAACAAATTCGAAA 848
 Db 541 ATAATATCATTAAT-----TATCTACGATATTGATTTTCAATTAATTAATTTGTTTAA 595
 QY 849 TGAACAAACATTTGAAATTTCTCGATATAGAAAACATTTTACTTATTTTGAATTTGGGACATA 908
 Db 596 TGTATAATATTTCTTTTAAATATTTTCCGTCAGATTTTATTTATTTTATTTTATTTAA 655
 QY 909 TTCCAAAGTTTATTCCAAACGTAACCTTTGAAGGAAAAGTTGATTTGAGATTACATCATAT 968
 Db 656 ATCTATTATCTATATTATGAGTTATAATACACATTTTGTATTAGATAAAATATATCTAT 715
 QY 969 TTTTGTGTTTTCATATTGAATTTTCATGGGAAATTTAAATGCCACACAAAATGATGATGAGA 1028
 Db 716 TAAATTTTCGCATCAATTTCTGTTGTTTCCAGAAAACATAGGACCAATTTATTAATCTTA 775
 QY 1029 TTAACCAAAAGTTTATCGTTTATTTGAATTTCTTTTATTAACCAACCAACAAATTTTAAAC 1088
 Db 776 -TCGACATTTTATTTTATTTATTTGATATATTTTTCAAAAAAAATTAATCAATGAAAA 834
 QY 1089 TTGTTGCAATAGACCAATATAGTTAAATCCATCGTGGTCTATTGTTAGATAAATGTTAATA 1148
 Db 835 AAAAAATATCAAAATGATTTTACTAAATTCGATATAATTTTAATANAATATTTTAA 894
 QY 1149 TTTGTTATATTTAAATAATTTTGAATTTTATTTGATATATTTGATATATTTGATATACAAA 1208
 Db 895 AATATTAATTTAAAAAAAATAATAAAGACAGAGAAATGTTTATTAATTAATATAT 954
 QY 1209 ATTAAGATTTAAATATTTTATATCTTAATATAACATTTGTTAAATTTTCTATTTT 1268
 Db 955 TAAAAAATAGTTAAATTTAGAGNATTTGATATAATATATATATATATATAATATTTTAA 1014
 QY 1269 AGACCATTTCTCTTTTATATAACATTTTAAATTAACATTAATGATGTGACACACTAA 1328
 Db 1015 ATAATATTCAGAAA-----ATATTAAGTTTATATATTTTCAAAATTTAAATATTTAA 1069
 QY 1329 TATTTATTTTATCCAAAGAAAATATGCTATAAAATATGGGCTCTTCTTAACCTTCAT 1388
 Db 1070 TTTAAATTTTATAACAAATTTAAAAAATATAACATATTTAGATATATCTTATARCAAAA 1129
 QY 1389 GATAATTATGAAAATAAATAAATAAATTTAAATATATAATTCATTTCA 1435
 Db 1130 TACCAATATAAGTATATATATATCTACCACATCTATAGAAATTTTAA 1176

RESULT 14

US-08-107-755A-8
 ; Sequence 8, Application US/08107755A
 ; Patent No. 5721352
 ; GENERAL INFORMATION:
 ; APPLICANT: Moyer, Richard W.
 ; APPLICANT: Hall, Richard L.
 ; APPLICANT: Gruidl, Michael E.
 ; TITLE OF INVENTION: No. 5721352el Entomopoxvirus Expression System
 ; NUMBER OF SEQUENCES: 40
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: David R. Saliwanchik
 ; STREET: 2421 N.W. 41st Street, Suite A-1
 ; CITY: Gainesville
 ; STATE: Florida
 ; COUNTRY: U.S.A.
 ; ZIP: 32606

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/107,755A

FILING DATE: 19-AUG-1993

FILING DATE: 19-AUG-
CLASSIFICATION: 435

CLASSIFICATION: 435
PRIOR APPLICATION DATA.

PRIOR APPLICATION DATA:
APPLICATION NUMBER: HS 07/827 658

APPLICATION NUMBER: US 07/

FILING DATE: 30-JAN-

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07

FILING DATE: 19-FEB-1991

EXPIRING DATE: 19 FEB 1991
ATTORNEY/AGENT INFORMATION:

ATTORNEY/AGENT INFORMATION:
NAME: Saliwanchik, David B

NAME: Saliwanchik, David R.
REGISTRATION NUMBER: 21 704

REGISTRATION NUMBER:

REFERENCE/DOCKET	NUMB
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TELECOMMUNICATION INFORMATION

TELEPHONE: (904) 375-8100

TELEPHONE: (504) 372-5800
TELEFAX: (904) 372-5800

TELEFAX: (304) 372-3600
INFORMATION FOR SEO ID NO: 8

INFORMATION FOR SEQ ID NO: 8
SEQUENCE CHARACTERISTICS.

SEQUENCE CHARACTERISTICS

LENGTH: 1511 base pa

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: unknown

TOPOLOGY: CIRCULAR
MOLECULE TYPE: DNA (ds)

MOLECULE TYPE: DNA (genomic)	ORIGINAL SOURCE:
1	1
2	2
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ORIGINAL SOURCE:

ORGANISM: *Amsacta mo*

FEATURE:

NAME/KEY: CDS

LOCATION: complement

LOCATION: complement
FEATURE:

FEATURE:
NAME / REV.:

Query Match 4.7%; Score 73.4; DB 1; Length 1511;
Best Local Similarity 46.3%; Pred. No. 0.00051;
Matches 355; Conservative 0; Mismatches 401; Indels 11; Gaps 3;

669	QY	ATTTTTTCATTTTCGAATTTGTTCTATACAATATAAATATAATATATTTTACCACCTTCGTT	728
421	Db	ATATTTCTGTTAAAGTCACAATTTAAATCCAGACAATAACTTTTTTTATTATTAGCC	480
729	QY	ATATTTTCGAAAGACCCCTTAAATATAAATTGAAATTCGCATATATATTAATAATTTTTCCCA	788
481	Db	ATTTTATCACAAATTTGTTCTAAATCATTTTCTTCAAAAATTCACACTCATCTATGCCA	540
789	QY	AAAAAGTAGACTATGCTATCTATAAAATTTGATTTCCCAATATAGAACAAATTTCTCAAAA	848
541	Db	ATAAATATCATAT-----TATCTACGATATTGATTTTCATTAATTAATATTTTGTTTAA	595
849	QY	TGAACAAACANTTGAATTCGATATAGAAACATTTTACTTATTTTGAATTTGGGACATA	908
596	Db	TGATATAATTTCTTTTATTAATATATTTCCGTCATGATTTATATATTTTTTATTATATAA	655
909	QY	TTCCAAAGTTTATTCCAAACGTAACTTTGAAGGAAAAAGTTGATTGAGATTACATCCATAT	968
656	Db	ATCTATTATCTATATTATGAGTTATAATTACACATTTTTTGATTAGATAAAATATATCTAT	715
969	QY	TTTTCTTTTTTCATATTGAATTTTCATGGNAAATTTAAATGCGACACAAAAATGATGTATGAGA	1028
716	Db	TAAATTTTTGCGATCAATTTCTGTTGTTTTCGCAAGAAAACATAGGACCAATTTATTAAATCTA	775
1029	QY	TTAAACCAAAGTTTATCGTTATCGAATTTCTTTTATTAATAAACCAACAAAATTTTAAAC	1088
776	Db	-TCGACATTTTTTTTTTATTTATTTGATATATTTTTTCAAAAAAAATTAATCAATGAAAA	834
1089	QY	TTGTTTGGCAATAGACCAAATATAGTTTAATCCATCGTGGTCTATTCGTAGATAAATGTATAA	1148
835	Db	AAAATAAAAATATACAAAATGGGATTTTACTTAATTTCTGATATAATTTTAAATAATTTTTAA	894

Search completed: November 2, 2002, 14:19:20
Job time : 171.327 secs

Query Match 4.7%; Score 73.4; DB 2; Length 1511;
Best Local Similarity 46.3%; Pred. No. 0.00051;
Matches 355; Conservative 0; Mismatches 401; Indels 11; Gaps 3;

	QY	669	ATTTTTTTCATTCTCGAATTTGTTCTATACAAATAFAAATATAAATATATTTTACCACCTTCGTT	728
Dd		421	ATATTTCTGTAAAGTCACCAATTAATCCAGACAATAACTTTTTTTTTTATTTATTTAGCC	480
QY		729	ATATTTTCGAAGAAGACCCCCTTAATAATAATGAATPCGCATATAAATAAAAATTTTTTCCCCA	788
Dd		481	ATTTTATCACAAAATTTCTCTAAATCATTTTCTTCAAAAATTTGCACACTCATCTATGCCA	540
QY		789	AAAAAGTAGACTATGTCATCTAFAAAAATTTTGATTCCTCCCATATATAGACAAAATTTCTCAAA	848
Dd		541	ATAATATCATAAT-----TATCTACGATATTTGGTTTCATTAATTAATAATTTATTTGTTTAA	595
QY		849	TGAACAAACATTTGAAATTTCTGCATATAGAAAACATTTACTATTTTGAATTTGGACATA	908
Dd		596	TGATATAAATATTTTATTTAAATATATTTCCGTCATGATTTATTTATTTTATTATTA	655
QY		909	TTCCAAAGTTTATTCCAAACGTAACCTTTGAAGGAAAAAGTTGATTGAGATTAACATCCATAT	968
Dd		656	ATCTATTATCTATATTATGAGTTATAATACACATTTTGTGATTAGATAAAAATATATCTAT	715
QY		969	TTTTGTTTTTTCATATTGNAATTTCTAGTGAATAATTAATGACACAAAATGATGTATGAGA	1028
Dd		716	TAATTTTCGTCAGAAATCTGTTGTTTGGCAGAAAACATAGGACCAATTTAATTTCTTA	775
QY		1029	TTAAACCAAGTTTATCGTTATTGAAATCTTTTATTA AAAAACCAACAAAATTTTAAAC	1088
Dd		776	-TCGACATTTTTTTTTTATTGATATATTTTTCAAA AAAAAAATTAATCAATGAAAA	834
QY		1089	TTGTTTCCATAGACCAATATAGTTAATCCATCGTGGTCTATTTGTAGTAATTTGTATA	1148
Dd		835	AAAAATAAATTTACAAATGGATTTCTTAATTCGATATAAATTTAATAAATATTTTAA	894
QY		1149	TTTTGTTATATTTAATAAATTTTGATTTATTTTGATATATTTGTATTTAGATAACAAA	1208
Dd		895	ATATATTATATTTAAAAAANAATAATAACAGAGATAATGTTATTAATTTAATATAT	954
QY		1209	ATTAAGATTTAAATPATTTTTATPACTTAATAFAAACATTTGGTTAAATTTTTCTATTTT	1268
Dd		955	TAAAAAATAGTTAAATTTAGAACAAATTCGATATAAATATTTATGATAAATAATTTTTAA	1014
QY		1269	AGACCATTTCTTTATTTTATATAAATTTTAATACTAAATGATGTGCACACACATA	1328
Dd		1015	ATAATNTTCCAGAAA-----ATATTAAGTTTATATATTTTCAAAATTTAAATATTTTAA	1069
QY		1329	TATTTATTTTATCCAAAGAAAATTAATGCTATAAAAATATGGTCTCTTTATCATCCCTTCA	1388
Dd		1070	TTTTAAATTTATACAAAATTTAAAAATATAAACATAITTAGATATACTTATACAAAAA	1129
QY		1389	GATAATTATGAAAATAAAAATAAATTTAAATTTATATATAATTCATTTC	1435
Dd		1130	TAGCAATATAGTATATATATACCTACCAACATCTCTAGAAATTTTTTAA	1176